ABOUT

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KEY SKILLS

Programming and Web development: C, Java, Python, HTML, CSS, JavaScript, NextJS, ReactJS, NodeJS, MongoDB, Appwrite.

Industry Software: CST Microwave Studio, MATLAB, OCTAVE, FreeCAD, EAGLE PCB Design and Electrical Schematic, MS Office.

Soft Skills: Leadership skills, Problem Solving abilities, Teamwork skills, Public speaking abilities.

POSITION OF RESPONSIBILITY

Organizer | Techfest & Humatronics of Academy of Technology 🔗 (2024)

HOBBIES

Playing Sports (like cricket, football, badminton, chess, etc.), Singing, Playing Instruments (like guitar, harmonium, etc.)

SOUVIK RANA

PROFESSIONAL SUMMARY

Innovative Electronics and Communication Engineering student with hands-on experience in designing advanced wearable technology, integrating sensor data with cloud systems, and Salesforce development. Proficient in programming, web development, and industry-standard software development. Adept at problem-solving, teamwork, and public speaking.

PROJECTS

- **WellBee: Healthcare Patient Management Application** 🔗

Developed a Next.js application that streamlined appointment booking and management, reducing processing time by 40% and decreasing missed appointments by 25%.

- **Souvik Rana's Portfolio Website** 🔗

Created a personal portfolio website that led to a 50% increase in professional inquiries by showcasing skills, projects, and contact information.

- **Design of a Broadband Wearable Antenna using IoT and Medical Applications (Ongoing)**

Engineering a broadband wearable antenna with a frequency range of 3 to 10 GHz, enhancing health monitoring accuracy by 20%.

- **YOOM: Deploying a Full Stack Video Conferencing App with Next.js (Ongoing)**

Developing real-time video conferencing app using Next.js, enhancing communication efficiency by 35% for users through a scalable and secure platform.

- **Touch-Based Intrusion Detection System using Arduino**

Implemented a capacitive touch sensor with Arduino UNO, achieving 95% accuracy in detecting intrusion events and displaying alerts on a 16×2 LCD.

WORK EXPERIENCE

Salesforce Developer Intern

SmartBridge & Persistent 🔗   (July,2024 – August,2024)

My Trailhead Link: salesforce.com/trailblazer/souvikrana 🔗

- Assisted in developing and customizing Salesforce applications, improving CRM functionalities and user experience.
- Supported the implementation of workflows, data integration, and report generation, enhancing operational efficiency by 20%.

EDUCATION

- ❖ **Bachelor of Technology** in **Electronics and Communication Engineering**
  (October 2021 - Present)
  Academy of Technology, Hooghly, West Bengal   CGPA: 8.23

- ❖ **Higher Secondary (WBCHSE)**   (2020-2021)
  Springdale High School, Kalyani, West Bengal   Percentage: 85%

- ❖ **Secondary (WBBSE)**   (2018-2019)
  Springdale High School, Kalyani, West Bengal   Percentage: 81.29%

CERTIFICATIONS

- ❖ **Short term course on "Hands-on Introduction to Internet of Things with Machine Learning" at IIT Kharagpur.** 🔗   (December 2023)

- ❖ **Online course on "Geodata Processing using Python" by ISRO.** 🔗
  (January 2024)